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#1      ((( gaas, gallium arsenide<in>metadata ) <and> ( laser, pld, deposit\*<in>metadata ) )<and> ( vaccuum, evapor\*, irradiat\*<in>metadata ) ) <and> (pyr >= 1950 <and> pyr <= 2004)

#2      ((( si, wafer<in>metadata ) <and> ( target<in>metadata ) ) <and> ( gaas, gallium arsenide<in>metadata ) ) <and> (pyr >= 1950 <and> pyr <= 2004)

#3      ((( ( gaas, gallium arsenide<in>metadata ) <and> ( laser, pld, deposit\*<in>metadata ) )<and> ( vaccuum, evapor\*, irradiat\*<in>metadata ) ) <and> (pyr >= 1950 <and> pyr <= 2004)) <AND> ((( ( si, wafer<in>metadata ) <and> ( target<in>metadata ) )<and> ( gaas, gallium arsenide<in>metadata ) ) <and> (pyr >= 1950 <and> pyr <= 2004))

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## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S11	1062	S10 and (GaAs or (gallium adj arsenide))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 09:24
S12	394	S11 and target	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 09:22
S13	334	S12 and (@ad<"20040206" or @rlad<"20040206")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 09:22
S14	43	S13 and ((GaAs or (gallium adj arsenide)) near5 (target or PLD or deposit\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 09:46

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L13	63181	PLD or (laser near10 (deposit\$6 or ablat\$6 or evapors\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 14:26
L14	6451	13 and (GaAs or (gallium near3 arsenide) or (Ga?sub\$6 near3 As?sub\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 14:31
L15	3707	14 and ((Si or silicon) near5 (substrate or wafer or support\$6 or target))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 14:29
L16	3134	14 and ((GaAs or (gallium near3 arsenide) or (Ga?sub\$6 near3 As?sub\$6)) near5 (substrate or wafer or support\$6 or target))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 14:29
L17	1938	15 and 16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 14:29
L18	1714	17 and (vacum or chamber or coat\$6 or reactor or apparatus)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 14:31
L19	1592	18 and (@ad<"20040206" or @rlad<"20040206")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 14:31
L20	686	19 and ((GaAs or (gallium near3 arsenide) or (Ga?sub\$6 near3 As?sub\$6)) near10 (coat\$6 or ablat\$6 or deposit\$6 or PLD or laser))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 14:33

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	618	(GaAs or (gallium adj arsenide)) with (target or wafer) with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 13:33
L3	579	2 and (@ad<"20040206" or @rlad<"20040206")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 13:31
L4	110	3 and (PLD or (laser near5 (deposit\$6 or ablat\$6)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 13:32
L5	103	4 and ((GaAs or (gallium adj arsenide) or laser or PLD) near15 (evapor\$6 or deposit\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/09 13:35